Nicolas DUPONT

Data Analyst

Eager for diverse knowledge and seeking new experiences, I wish to apply my skills in data management, data processing, data analysis, and artificial intelligence to innovative projects, in France or abroad.

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🏛 Education

Master's, Computer Science (AI, Data and Knowledge)
Université Toulouse III - Paul Sabatier (2022-2024)

Bachelor's, Computer Science
Université Toulouse III - Paul Sabatier (2017-2022)

👤 About Me

`Driving License` `Personal Vehicle`

Languages

`French (native)` `English (C2)`
`German (B1)` `Spanish (A1)` `Italian (A1)`
`Japanese (A1)`

Interests

`Urbanism` `Transport` `Cartography`
`Geography` `History` `General knowledge`
`Internet culture` `Video games`
`Sports and sports statistics`

Notable experiences
- Solo trip to Japan for one month (October 2024)
- Solo trip to New Zealand for one month (November 2024)

💼 Professional Experience

Data Analyst, *Orange Innovation* — 05/2023 - 09/2024

Within the team responsible for Orange Group's DevOps toolchain, I worked on leveraging data from the chain's tools and services, notably in a Logs4Ops approach.

Main achievements:
- Created about ten dashboards for service usage analysis
- Cross-referenced user data with Python scripts to identify bad practices
- Set up a pipeline to collect Kubernetes environment variables as logs
- Implemented a support chatbot using Retrieval-Augmented Generation techniques

`Logs4Ops` `Data Analysis` `Data Visualization` `Python` `Elastic Stack` `GitLab CI/CD` `Predictive models` `Retrieval-Augmented Generation` `AI Chatbot`

🔗 Personal Projects

datapipe-auto-deploy — 02/2025 - Present

This project aims to create a fully automated data pipeline (extract, transform, load) on AWS and Snowflake, using Terraform for infrastructure management; for learning and demonstration purposes.

Main achievements:
- Data collection from public APIs and data processing with Python in AWS Lambda
- Pipeline orchestration with AWS Step Functions
- Data ingestion into Snowflake using Snowpipe
- Automated deployment of AWS and Snowflake infrastructure with Terraform, locally or via GitHub Actions

`Data Engineering` `Data Modeling` `ETL` `CI/CD` `AWS` `Snowflake` `Terraform` `Python`

✓ Skills

Programming languages

`Python` `SQL` `Java` `C` `Shell`

Tools and technologies

`Git` `Elastic Stack` `Grafana` `GitLab CI/CD, GitHub Actions` `Snowflake` `Terraform` `AWS` `Power BI` `MongoDB` `Office Pack`

Knowledge

`Machine Learning` `Deep Learning` `Data Analysis` `Data Visualization` `Natural Language Processing` `Database management` `Project management` `Agile methods` `Scrum` `Technical documentation writing`

Soft skills

`Analytical thinking` `Autonomy` `Curiosity` `Adaptability` `Initiative` `Rigor` `Stakeholder communication` `Technology watch`